

# HIGH VOLTAGE RECTIFIERS T-23-05

OPERATING AND STORAGE TEMPERATURE -65°C to +175°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C TA	Maximum Forward Voltage @ 25°C TA		Maximum Reverse Recovery Time
	PRV	Io @ TA		IFM (Surge)	IR	IFM	VFM	Trr
	VPK	AAV	°C	APK	μA <sub>dc</sub>	APK	VPK	nS

## HIGH VOLTAGE - PLASTIC/DO-41/DO-15

TYPE	PRV (VPK)	AAV (°C)	Io (A)	IFM (Surge) (APK)	IR (μA <sub>dc</sub> )	IFM (APK)	VFM (VPK)	Trr (nS)
HVR1200	1200	0.5	50	30	5.0	0.5	3.0	-
HVR1500	1500	0.5	50	30	5.0	0.5	3.0	-
HVR1800	1800	0.5	50	30	5.0	0.5	3.0	-
HVR2000	2000	0.5	50	30	5.0	0.5	4.5	-
HVR2500	2500	0.2	50	30	5.0	0.2	4.5	-
HVR3000	3000	0.2	50	30	5.0	0.2	6.0	-
HVR5000	5000	0.2	50	30	5.0	0.2	8.0	-

## HIGH VOLTAGE - PLASTIC/HVR-1/HVR-2

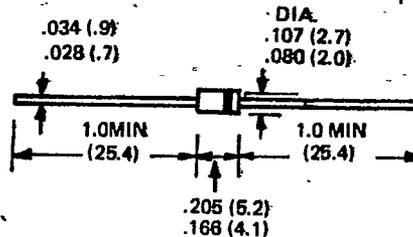
TYPE	PRV (VPK)	AAV (°C)	Io (A)	IFM (Surge) (APK)	IR (μA <sub>dc</sub> )	IFM (APK)	VFM (VPK)	Trr (nS)
HVR6000	6000	5.0mA	25	0.5	2.0	10mA	17.5	0.1
HVR8000	8000	5.0mA	25	0.5	2.0	10mA	25.0	0.1
HVR10000	10000	5.0mA	25	0.5	2.0	10mA	30.0	0.1
HVR12000	12000	5.0mA	25	0.5	2.0	10mA	37.5	0.1
HVR14000	14000	5.0mA	25	0.5	2.0	10mA	42.5	0.1
HVR16000	16000	5.0mA	25	0.5	2.0	10mA	50.0	0.1
HVR18000	18000	5.0mA	25	0.5	2.0	10mA	55.0	0.1
HVR20000	20000	5.0mA	25	0.5	2.0	10mA	62.5	0.1
HVR22000	22000	5.0mA	25	0.5	2.0	10mA	67.5	0.1
HVR24000	24000	5.0mA	25	0.5	2.0	10mA	75.0	0.1

# OUTLINE OF RECTIFIERS

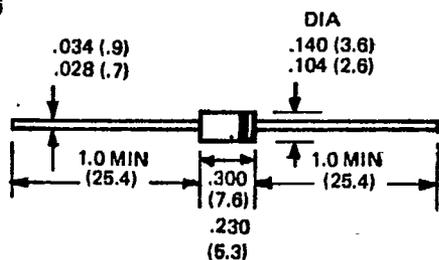
Unit: Inch (mm)

DO-41

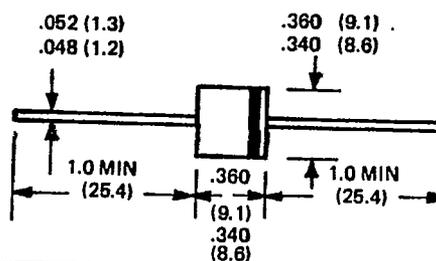
T-91-20



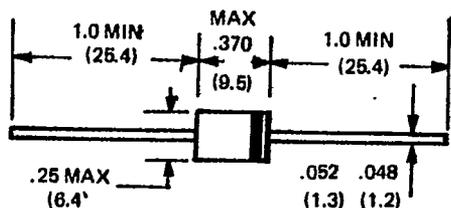
DO-15



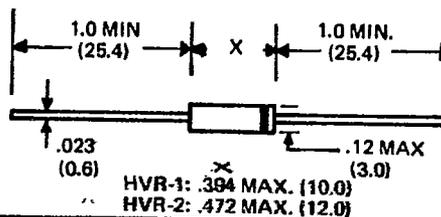
S-6



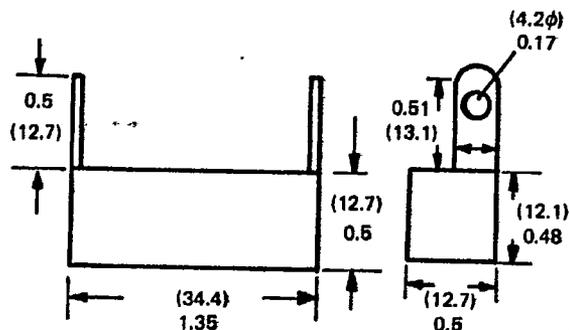
DO-201AD



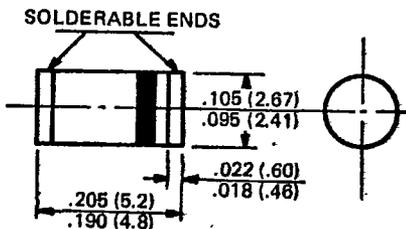
HVR-1/HVR-2



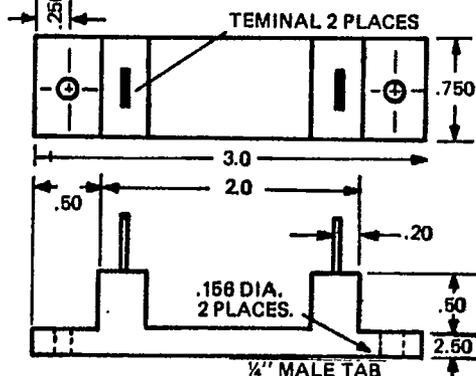
HV



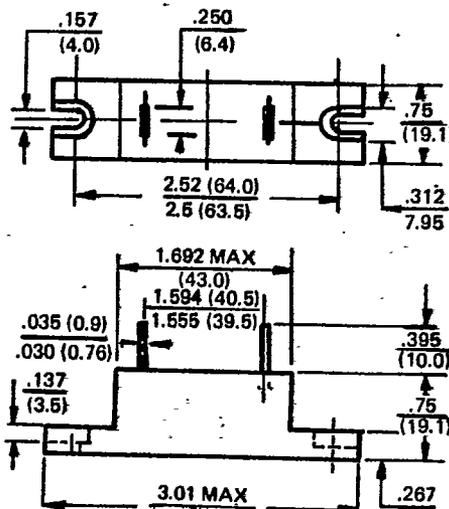
SM-1



HC



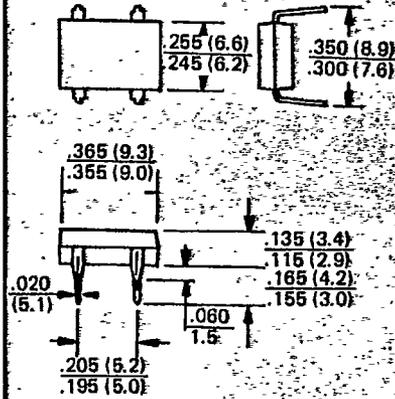
HVP



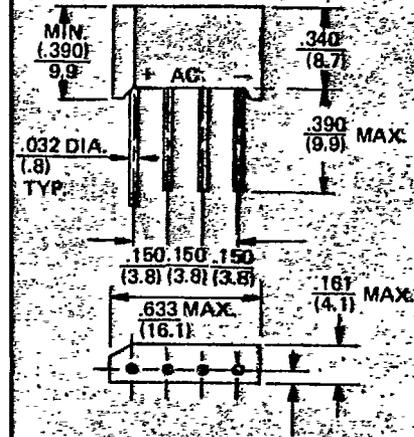
# OUTLINE OF BRIDGE RECTIFIERS

Unit: Inch (mm)

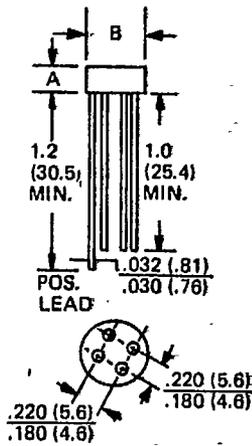
DB-1



RS1



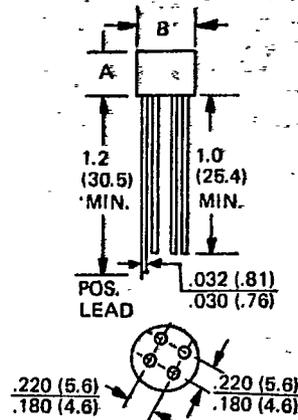
RB-15/WOL



NOTE:

	A	B
R B 15	.138 (3.5)	.358 (9.1)
WOL	.280 (7.1)	.378 (9.6)

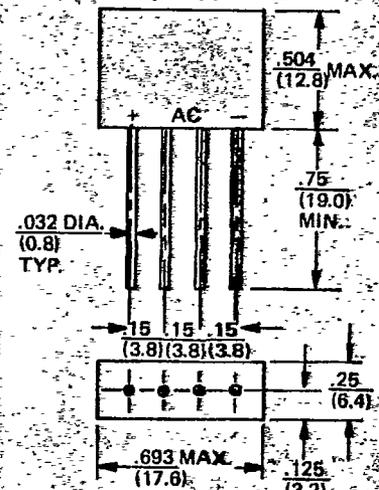
WOM/RC-2



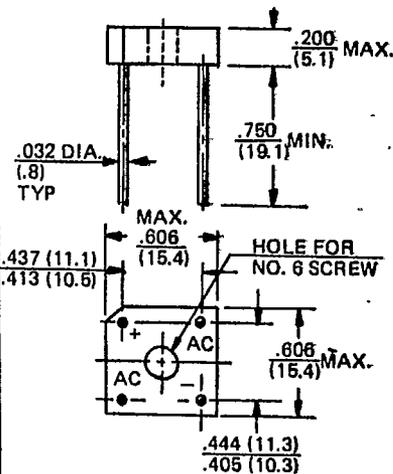
NOTE:

	A	B
WOM	.220 (5.6)	.340 (8.6)
RC-2	.210 (5.1)	.300 (7.6)
	.280 (7.1)	.394 (10.0)

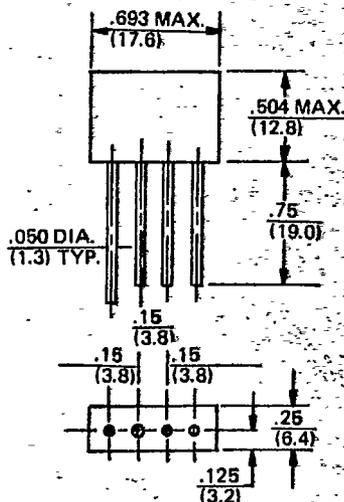
RS2



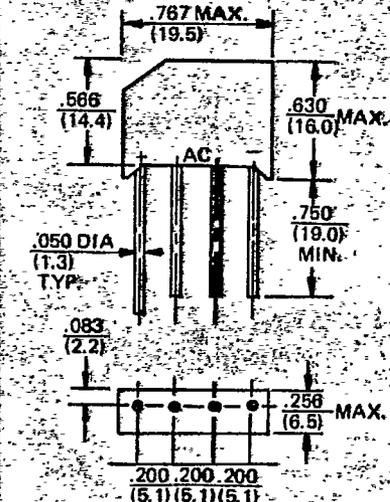
BR-3

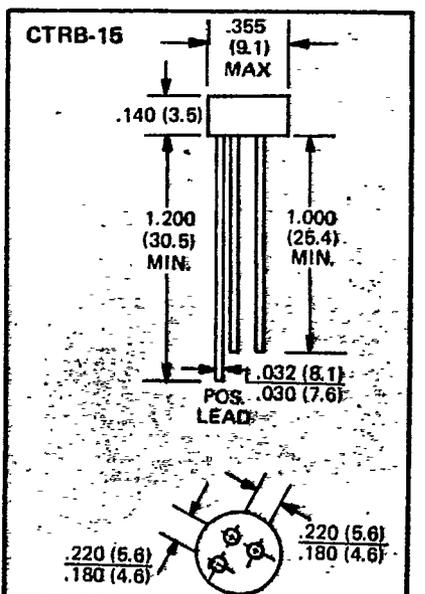
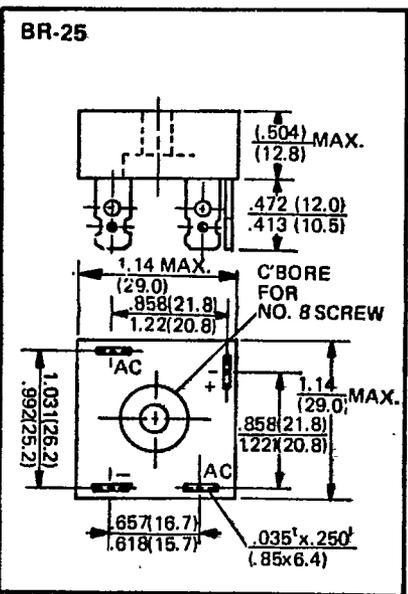
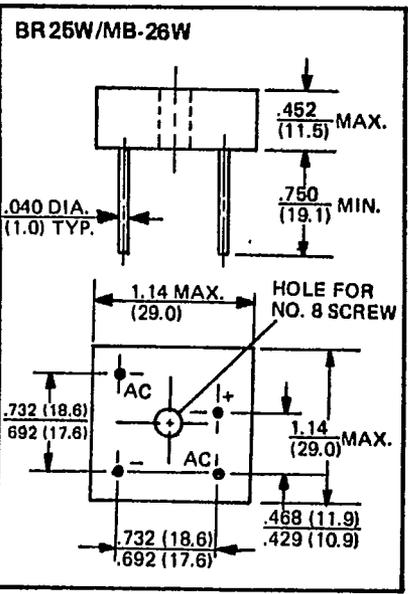
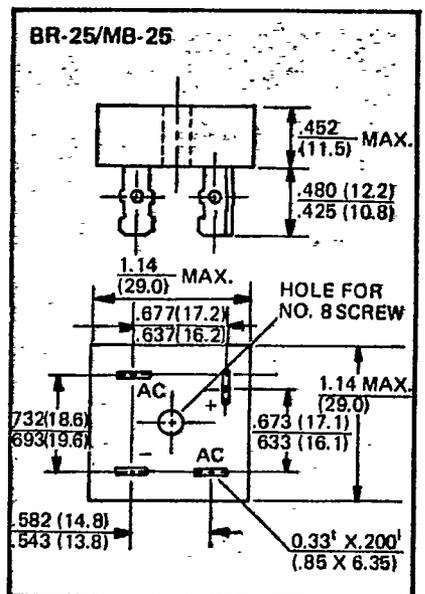
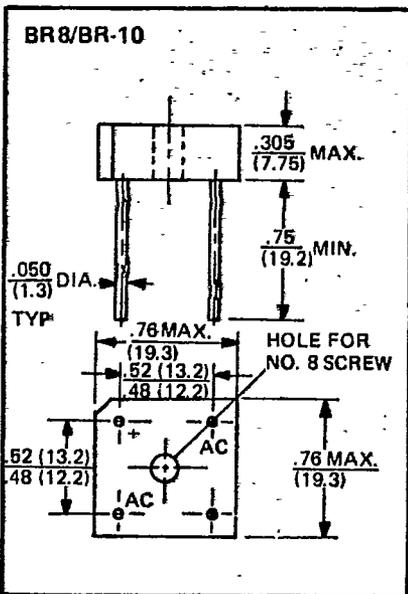
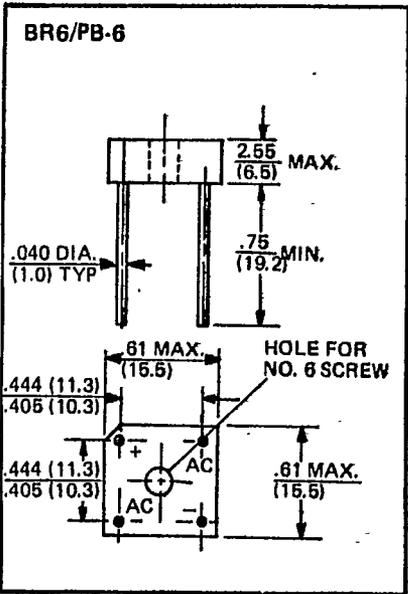
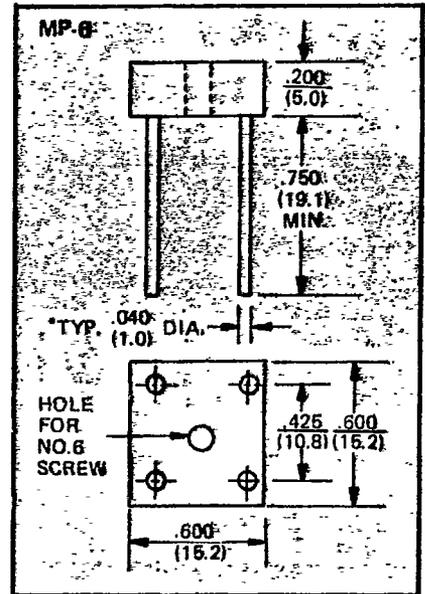
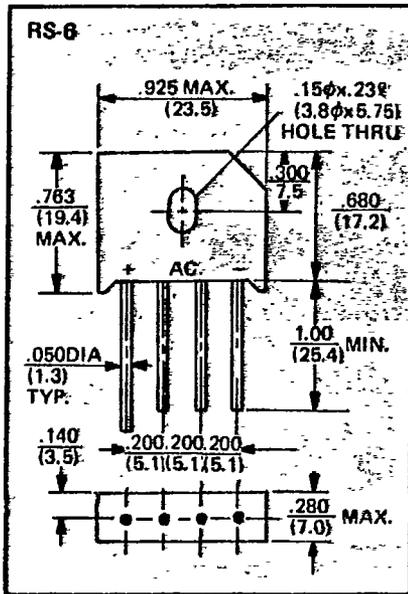
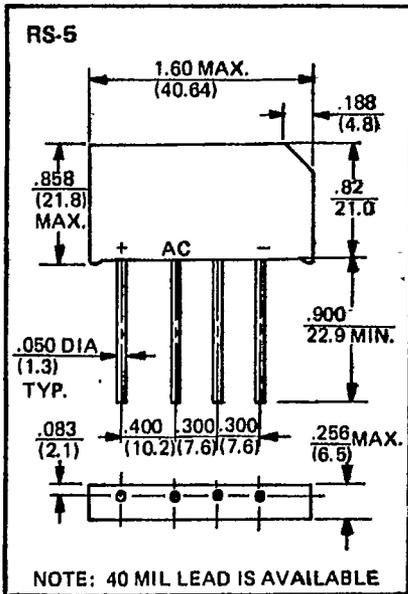


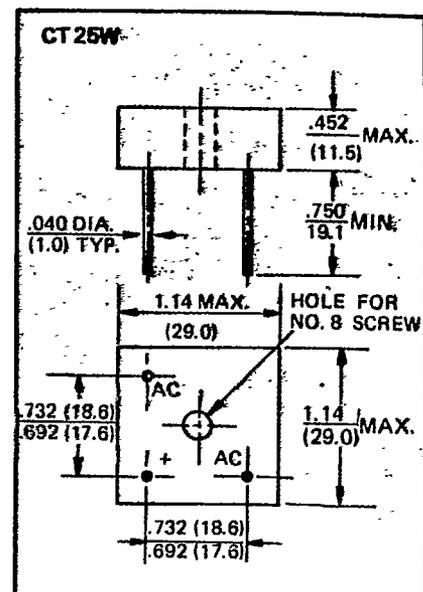
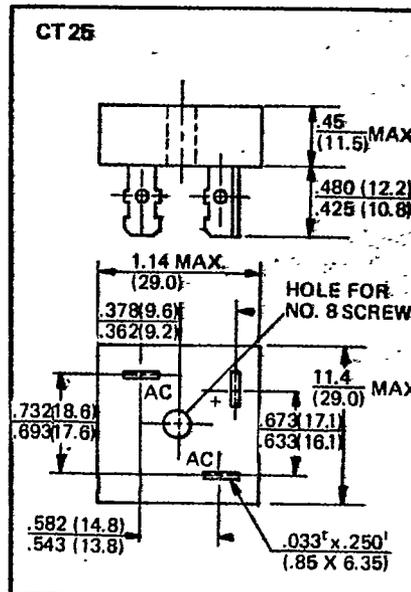
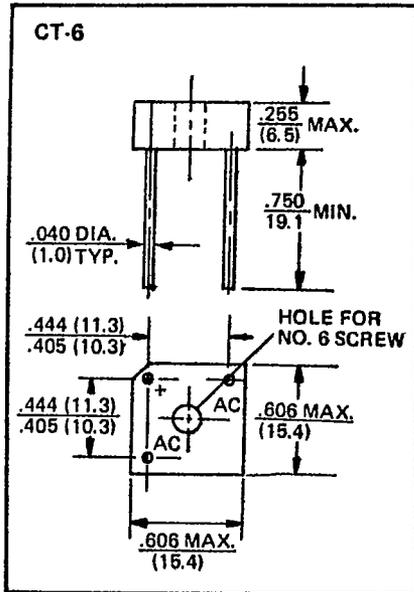
RS-4



RS-4L







SINO-AMERICAN SILICON 24E D ■ 8281746 0000050 9 ■ T-91-20  
**RECTIFIER AND BRIDGE PACKAGING**

**BULK PACK**

Device	INNER SIZE (m/m)	BOX (EA)	CARTON SIZE (m/m)	CARTON (KEA)	APPROX. GROSS WEIGHT (Kg)
DO-41	200x84x21	1,000	451x205x254	50,000	19.8
DO-15	200x84x21	500	451x205x254	25,000	13.0
HVR-1/HVR-2	200x84x21	500	451x205x254	25,000	23.8
DO-201AD	303x73x40	500	330x310x268	12,000	17.2
S-6 (6A)	303x73x40	200	330x310x268	4,800	12.8
RS-1	255x168x61	1,000	330x310x268	10,000	19.1
RS-2	160x208x51	400	457x215x258	4,000	13.2
BR-3	207x207x53	200	457x215x258	1,600	7.15
RB-15	255x168x61	1,000	330x310x268	10,000	18.7
RS-4	237x237x43	400	494x245x285	4,000	17.34
RS-4L	237x237x43	400	494x245x285	4,000	21.37
RS-5	237x237x43	200	494x245x285	2,000	21.5
BR-6/PB-6	207x207x53	200	457x215x258	1,600	8.865
RS-6	237x237x43	200	494x245x285	2,000	13.315
BR-8/BR-10	224x224x48	200	494x245x285	2,400	20.3
BR-15 BR-25 BR-35	207x207x53	50	457x215x258	400	18.2
BR-15W BR-25W BR-35W	207x207x53	50	457x215x258	400	11.63
RB15/WOM	250x160x57	1,000	343x322x267	10,000	13.7
MP6	207x207x53	200	451x205x254	16,000	7.0
DB-1	490x145x85	2,500	510x365x310	20,000	14.4
WOL	250x160x57	600	343x322x267	6,000	13
HV	225x225x40	100	451x205x254	1,000	11.6
HC	207x207x53	40	451x205x254	320	10.2
HVP	207x207x53	40	451x205x254	320	11.8
ZENER	200x84x21	1,000	451x205x254	50,000	13.1

**REEL PACK**

DEVICE	REEL (EA)	COMPONENT SPACE (m/m)	TAPE SPACE (m/m)	REEL DIA (m/m)	CARTON SIZE (m/m)	APPROX GROSS WEIGHT (Kg)
DO-41	6,000	5.0	51	330	350x350x345	10.5
DO-15	4,000	5.0	51	330	350x350x345	10.0
HVR-1/HVR-2	3,000	5.0	51	330	350x350x345	14.2
DO-201AD	1,200	9.5	51	330	350x350x345	9.2
S-6	500	9.5	51	330	350x350x345	7.3

**AMMUNITION PACK**

DEVICE	BOX (EA)	COMPONENT SPACE (m/m)	TAPE SPACE (m/m)	BOX SIZE (m/m)	CARTON SIZE (m/m)	CARTON (EA)	APPROX GROSS WEIGHT (Kg)
DO-41	3,000	5.0	51	255x78x95	350x350x345	4,800	18.3
DO-15	2,200	5.0	51	255x78x95	350x350x345	33,000	18.3
HVR-1/HVR-2	2,000	5.0	51	255x78x95	350x350x345	30,000	27.2
DO-201AD	800	9.5	51	255x78x95	350x350x345	12,000	17.4
S-6	300	9.5	51	255x78x95	350x350x345	4,500	11.9
DO-41	3,000	5.0	26	255x51x95	330x310x268	42,000	15.1
DO-15	2,200	5.0	26	255x51x95	330x310x268	37,400	13.6