МОТО ПО 1205供应商 SEMICONDUCTOR TECHNICAL DATA

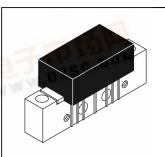
DZSC.COM The RF Line **High Output Power Doubler 750 MHz CATV Amplifier**

- Specified for 77 and 110-Channel Performance
- Broadband Power Gain @ f = 40-750 MHz ٠ $G_p = 20.2 \text{ dB} (Typ)$
- Broadband Noise Figure NF = 6.2 dB (Typ) @ 750 MHz
- All Gold Metallization

MAYIMI M DATINGS

- 7 GHz fr Ion–Implanted Transistors
- Composite Triple Beat @ 110–Channel Loading CTB = -63 dB (Typ)

WAXIWUW RATINGS			
Rating	Symbol	Value	Unit
RF Voltage Input (Single Tone)	V _{in}	+70	dBmV
DC Supply Voltage	Vcc	+28	Vdc
Operating Case Temperature Range	ТС	-20 to +100	°C
Storage Temperature Range	T _{stg}	-40 to +100	°C
Storage Temperature Range	T _{stg}	-40 to +100	°C



MHW7205C

20.2 dB GAIN

750 MHz 110-CHANNEL

CATV AMPLIFIER

CASE 714Y-03, STYLE 1

ELECTRICAL CHARACTERISTICS (V_{CC} = 24 Vdc, T_C = +30°C, 75 Ω system unless otherwise noted)

Characteristic Frequency Range		Symbol BW	Min 40	Тур —	Max 750	Unit MHz
Slope	40–750 MHz	S	0	0.4	1.0	dB
Gain Flatness (40-750 MHz, Peak to Valley)			_	0.3	0.6	dB
Return Loss — Input/Output (Z ₀ = 75 Ohr	ns) @ 40 MHz @ f > 40 MHz (Derate)	IRL/ORL	19 —		 0.006	dB dB/MHz
Composite Second Order (V _{out} = +44 dBmV/ch., Worst Case)	110–Channel FLAT 77–Channel FLAT	CSO ₁₁₀ CSO ₇₇		-70 -80	-63 	dBc
Cross Modulation Distortion @ Ch 2 (V _{out} = +44 dBmV/ch., FM = 55 MHz)	110–Channel FLAT 77–Channel FLAT	XMD ₁₁₀ XMD ₇₇		-65 -69	-62 	dBc
Composite Triple Beat (V _{out} = +44 dBmV/ch., Worst Case)	110–Channel FLAT 77–Channel FLAT	СТВ ₁₁₀ СТВ ₇₇		-63 -70	-61 	dBc
Noise Figure	50 MHz 550 MHz 750 MHz	NF	 	5.0 5.8 6.2	6.0 — 7.5	dB
DC Current ($V_{DC} = 24 \text{ V}, T_{C} = 30^{\circ}\text{C}$)		IDC	365	400	435	mA

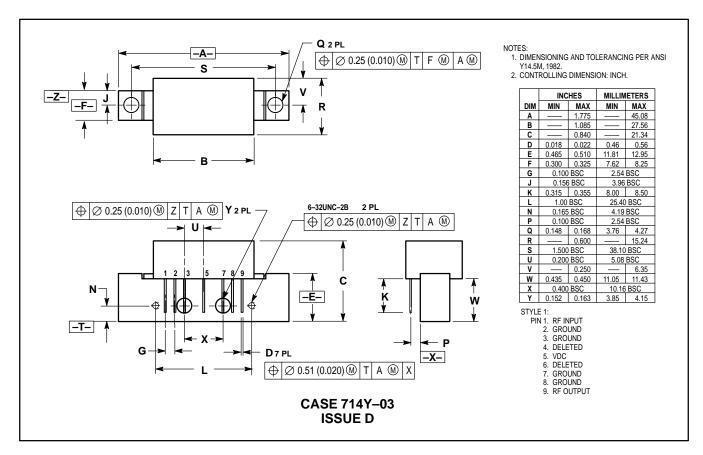




捷多邦,专业PCB打样工厂,24小时加急出货

by MHW7205C/D

PACKAGE DIMENSIONS



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