	,24小时加急出 候N5711
• 1N5/ 11-1 AVAILABLE IN JAN, JANTA, JANTAV AND JANS	1N5711-1
PER MIL-PRF-19500/444	1N5712-1
• 1N5712-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS	1N6857-1
PER MIL-PRF-19500/445	1N6858-1
SCHOTTKY BARRIER DIODES	
HERMETICALLY SEALED	D3B2010
METALLURGICALLY BONDED	DSB5712
	MOD - NI

MAXIMUM RATINGS

Operating Temperature: -65°C to +150°C Storage Temperature: -65°C to +150°C Operating Current: 5711 types 2810,5712 & 6858 types 6857 TYPE Derating: all types:

:33mA dc@ TL = +130°C, L = 3/8" :75mA dc@ TL = +110°C, L = 3/8" :75mA dc@ TL = +70°C, L = 3/8" Derate to 0 (zero)mA@+150°C

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	MINIMUM BREAKDOWN VOLTAGE	MAXIMUM FORWARD VOLTAGE	MAXIMUM FORWARD VOLTAGE	MAXIMUM REVERSE		MAXIMUM CAPACITANCE @ V _R = 0 VOLTS f = 1.0 MHz	ESDS CLASS
	$V_{BR} @ 10_{\mu} A$	V _F @1mA	V _F @ I _F	I _R @ V _R			с _т
	VOLTS	VOLTS	MILLIAMPS	nA	VOLTS	PICO FARADS	_
DSB2810	20	0.41	1.0@35	100	15	2.0	1
1N5711,-1	70	0.41	1.0@15	200	50	2.0	1
DSB5712	20	0.41	1.0@35	150	16	2.0	1
1N5712-1	20	0.41	1.0@35	150	16	2.0	1
1N6857-1	20	0.35	0.75@35	150	16	4.5	2
1N6858-1	70	0.36	0.65@15	200	50	4.5	2

NOTE: Effective Minority Carrier Lifetime (τ) is 100 Pico Seconds

NOTICE: Qualification testing to M, JX, and JS levels for 6857 and 6858 types is underway. Contact the factory for qualification completion dates. These two part numbers are being introduced by CDI as "drop-in" replacements for the 5711 and 5712. They provide a more robust mechanical design and a higher ESDS class with the only trade-off being an increase in capacitance.





FIGURE 1

DESIGN DATA

CASE: Hermetically sealed glass case per MIL-PRF-19500/444 and /445 DO-35 Outline

LEAD MATERIAL: Copper clad steel.

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: (RQJFC): 250 °C/W maximum at L = .375 inch

THERMAL IMPEDANCE: (ZQJX): 40 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any.



PENSATED DEVICES INCORPORATED

1N5711, 1N5712, 1N6857, 1N6858 DSB5712 and DSB2810 INCLUDING -1 VERSIONS



Figure 1. I-V Curve Showing Typical Forward Voltage Variation with Temperature for the DSB5712 and DSB2810 Schottky Diodes.



Current (I_R) vs. Reverse Voltage (V_R) at Various Temperatures.



Figure 3. I-V Curve Showing Typical Forward Voltage Variation with Temperature for Schottky Diode 1N5711.



