 • 1N5711-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/444 • 1N5712-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/445 • SCHOTTKY BARRIER DIODES • HERMETICALLY SEALED • METALLURGICALLY BONDED 								1N5711 1N5711-1 1N5712-1 1N6857-1 1N6858-1 DSB2810 DSB5712
MAXIMUM RATINGSOperating Temperature: -65°C to +150°C Storage Temperature: -65°C to +150°COperating Current: 5711 types 2810,5712 & 6858 types 6857 TYPE: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								
CDI MINIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM ESDS TYPE BREAKDOWN FORWARD FORWARD LEAKAGE CURRENT CAPACITANCE @ CLASS VOLTAGE VOLTAGE VIL O LIAGE VIL O LIAGE VIL O LIAGE CAPACITANCE @ CLASS							POLARITY BAND ICATHODEI 150 / .170 3.81 / 4.32 1000 ICATHODEI 1000 25 400 0.018 / 0.022 0.46 / 0.58 DIA All dimensions in INCH mm	
	V _{BR} @ 10 μA VOLTS	V _F @1mA VOLTS	V _F ^{@I} F MILLIAMPS	nA R	@ V R	PICO FARADS	с _т	
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	FIGURE 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	DESIGN DATA
1N6858-1	70	0.36	0.65@15	200	50	4.5	2	DESIGN DATA
NOTE:	Effective Minority	Carrier Lifetir	ne (τ) is 100 l	Pico Second	l Is			CASE: Hermetically sealed glass case per MIL-PRF-19500/444 and /445 DO-35 Outline LEAD MATERIAL: Copper clad steel.

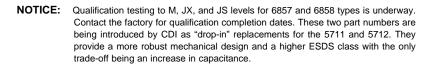
LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\Theta JEC}$): 250 °C/W maximum at L = .375 inch

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

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any.





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

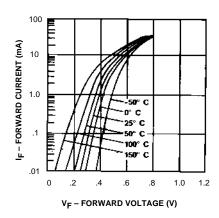
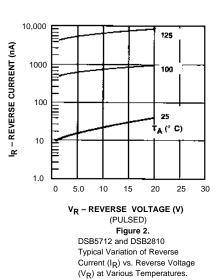


Figure 1. I-V Curve Showing Typical Forward Voltage Variation with Temperature for the DSB5712 and DSB2810 Schottky Diodes.



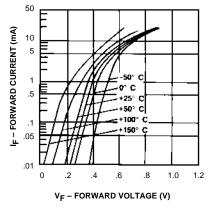
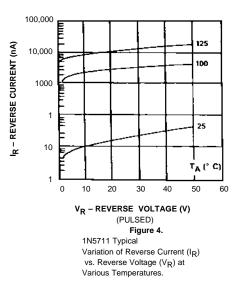


Figure 3. I-V Curve Showing Typical Forward Voltage Variation with Temperature for Schottky Diode 1N5711.



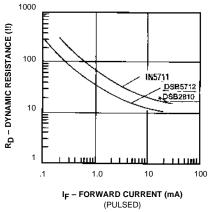


Figure 5. Typical Dynamic Resistance (R_D) vs. Forward Current (I_F).