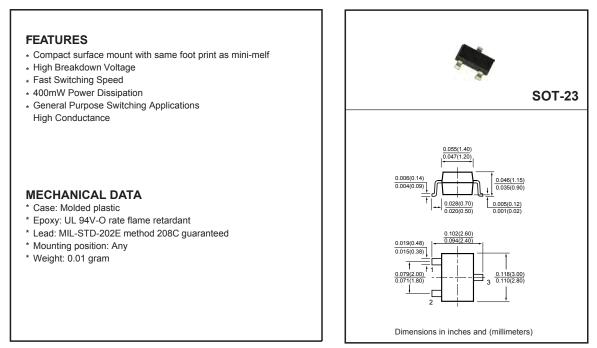




SMALL SIGNAL DIODE





MAXIMUM RATINGS (@ TA=25°C unless otherwise noted)

RATINGS		SYMBOL	CMBD1201/1202/1203/1204/1205	UNITS
Non-Repetitive Peak Reverse Voltage		VRM	100	Volts
Maximum R epetitive Peak Reverse Voltage Maximum Working Peak reverse Voltage Maximum DC Blocking Voltage		VRRM VRWM VR	75	Volts
Maximum RMS Voltage		VRMS	53	Volts
Maximum Forward Comtinuous Current		IFM	500	mAmps
Maximum Average Forward Rectified Current		lo	215	mAmps
Non-Repetitive Peak Forward Surge Current	@t=1.0uS @t=1.0mS @t=1.0S	IFSM	4.0 1.0 0.5	Amps
Typical Reverse Recovery Time		Trr	4	nS
Typical Junction Capacitance		CT	2	pF
Typical Thermal Resistance		Reja	500	K/W
Operating and Storage Temperature Range		TJ, TSTG	-65 to + 150	°C

ELECTRICAL CHARACTERISTICS (@TA=25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	CMBD1201/1202/1203/1204/1205	UNITS
Maximum Instantaneous Forward Voltage	@IF=10mA @IF=200mA	VF	0.855 1.05	Volts
Maximum Instantaneous Reverse Current	@VR=20V @VR=75V @VR=25V,Tj=150°C	lr	25 5 30	nAmps uAmps

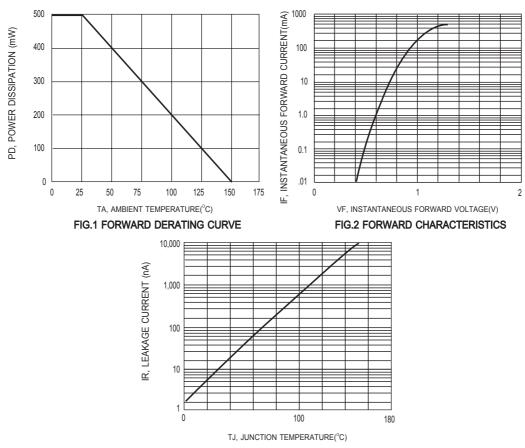
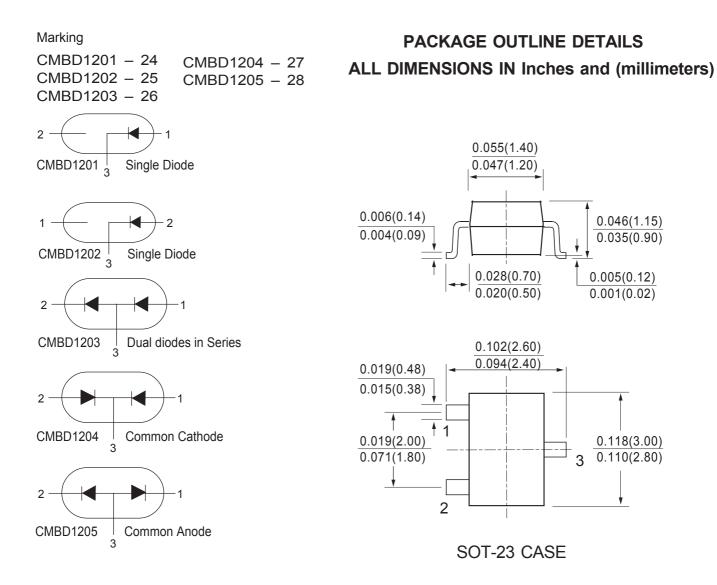


FIG.3 LEAKAGE CURRENT VS. JUNCTION TEMPERATURE





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