



Features

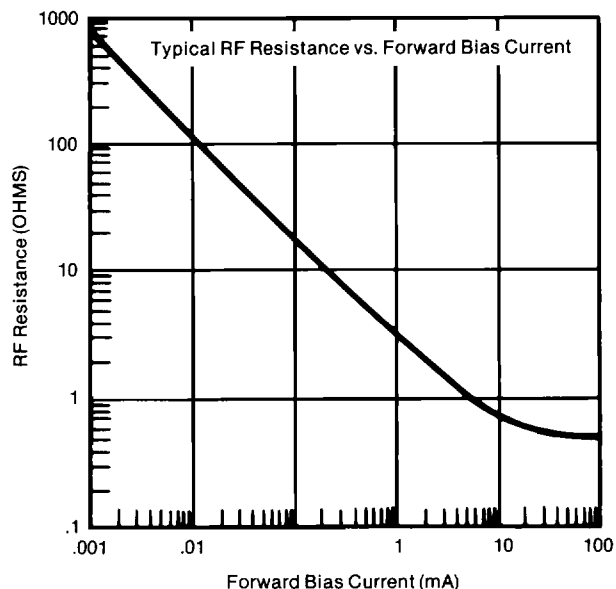
- Low R_S
- Low leakage
- Passivated
- Hi Rel available (MIL-S-19500, MIL-STD-750)

Applications

- Very high speed switch
- Limiter (High Threshold)

Maximum Ratings

Storage Temperature - 65 to + 150 °C
 Operating Temperature - 65 to + 150 °C
 Soldering Temperature 300 °C for 1 min.
 DC Power Dissipation 100 mW max.



Specifications @ 25 °C

Model- Outline ¹	Description	V_{BR}	I_R	C_{T20}	$R_S @ 20 \text{ mA}$		τ^*	t_{rr}^{**}
		$I_R = 10 \mu\text{A}$ (Volts) Min.	$V_R = 20\text{V}$ (nAmps) Typ.	$f = 1 \text{ MHz}$ (pF) Max.	$f = 100 \text{ MHz}$ (Ohms) Typ.	Max.		
MPN-74001-C12	Chip	70	10	.16	.8	1.0	15	5
MPN-74001-E26	Stripline	70	10	.24	.8	1.0	15	5
MPN-74001-T54	Coaxial	70	10	.36	.8	1.0	15	5
MPN-74001-T89	Coaxial	70	10	.41	.8	1.0	15	5

* $I_F = 10 \text{ mA}$ $I_R = 6 \text{ mA}$ ** $I_F = 20 \text{ mA}$ $V_R 10 \text{ V}$

¹See outline summary for drawings

Notes: Consult factory for special versions, configurations, packages, high reliability screening, or customer designs.

Polarity: **CATHODE** **ANODE**
 HEAT SINK PAD

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