OA99, 2-OA99, OA99A, 2-OA99A

Germanium Point Contact Type

FM-AM Detector General Use

■ Features

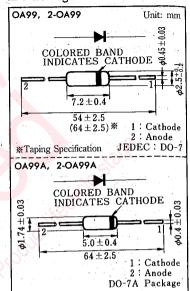
- High η
- Low I_R
- Matched pair available for FM detector 2-OA99, 2-OA99A

■ Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Value	Unit
Reverse Voltage (DC)	V_R	30	V.
Peak Reverse Voltage	V _{RM}	45	V
Forward Current (DC)	I _F .	50	mA
Peak Forward Current	I _{FM}	150	mA
Non-Repetitive Peak Forward Surge Current	I _{FSM} *	400	mA
Storage Temperature	T_{stg}	-55~+75	°C

^{*}t≦ls

■ Package Dimensions

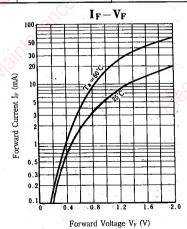


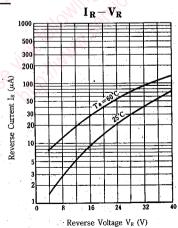
■ Electrical Characteristics (Ta=25°C)

Item	Symbol	Condition	min.	typ.	max.	Unit
Forward Current (DC)	$I_{\rm F}$	$V_F = 1 \text{ V}$	4	12	2000	mA
Reverse Current (DC)		$V_R = 10 \text{ V}$	16	4	18	μA
	I_R	V _R = 45 V		90	340	
Detection Efficiency	η	$f=10.7MHz, R_L=33k\Omega, C_L=330pF$	76	85	-0.1%	<u>%</u>
Damping Resistance	r _d	$f=10.7MHz$, $R_L=33k\Omega$, $C_L=330pF$	13			kΩ

■ Cathode Indications

Type No.	OA 99/OA 99 A	2-OA 99/2-OA 99 A
Color	Red (one band)	Red (two bands)





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