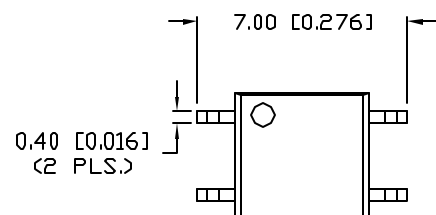
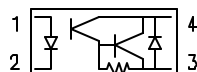


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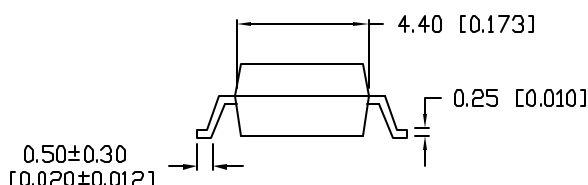
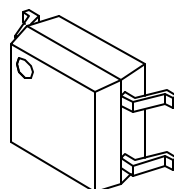
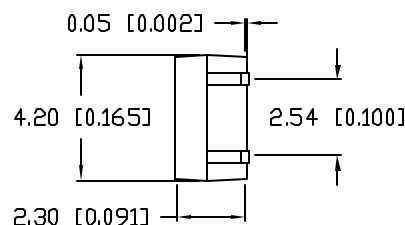


TOP VIEW



NOTES:

1. ANODE
2. CATHODE
3. EMITTER
4. COLLECTOR

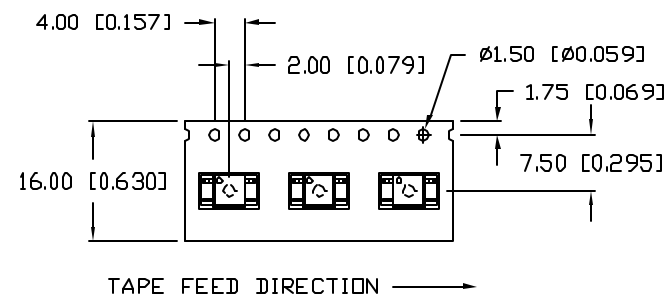


ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

	PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
I	FORWARD VOLTAGE	V _f	I _F =20mA	—	1.2	1.4	V
	REVERSE CURRENT	I _r	V _R =4V	—	—	10	μA
	TERMINAL CAPACITANCE	C _t	V=0, f=1kHz	—	30	—	pF
O	COLLECTOR DARK CURRENT	I _{ceo}	V _{ce} =200V, I _F =0	—	—	10 ⁻⁶	A
T	CURRENT TRANSFER RATIO	CRT	I _F =1mA, V _{ce} =2V	1000	—	—	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	V _{ce(sat)}	I _F =20mA, I _c =5mA	—	—	1.5	V
	ISOLATION RESISTANCE	R _{iso}	DC500V	5x10 ¹⁰	—	—	ohm
	FLOATING CAPACITANCE	C _f	V=0, f=1MHz	—	0.6	1.0	pF
	RESPONSE TIME (RISE)	t _r	V _{ce} =2V, I _c =20mA, R _L =100ohm	—	100	300	μS
	RESPONSE TIME (FALL)	t _f	V _{ce} =2V, I _c =20mA, R _L =100ohm	—	20	100	μS

I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS.

PART NUMBER		REV.
OCP-PCDMF114-TR		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.15.07



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	PARAMETER	SYMBOL	MAX	UNITS
I	FORWARD CURRENT	I _F	50	mA
	PEAK FORWARD CURRENT	I _{FM}	1	A
	REVERSE VOLTAGE	V _R	6	V
	POWER DISSIPATION	P _d	70	mW
O	COLLECTOR-EMITTER VOLTAGE	V _{ceo}	300	V
	EMITTER-COLLECTOR VOLTAGE	V _{eco}	0.1	V
	COLLECTOR CURRENT	I _c	150	mA
	COLLECTOR POWER DISSIPATION	P _c	150	mW
	TOTAL POWER DISSIPATION	P _{tot}	170	mW
	ISOLATION VOLTAGE 1 MIN.	V _{iso}	3750	V _{RMS}
	OPERATING TEMP.	T _{opr}	-30 TO +100	°C
	STORAGE TEMP.	T _{stg}	-55 TO +125	°C
	SOLDERING TEMP.	T _{sol}	+260	°C
	2.0mm FROM BODY		10 SEC. MAX	

I=INPUT, O=OUTPUT.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		290 E. HELEN ROAD	
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