

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-14824	09/17/2025	DMAY	JNAJERA

PIN NO.	FUNCTION	BIAS
1	Vgs1	-0.97V
2	Vgs2	-0.97V
3	Vdd2	+14V
4	Vdd2	+14V
5	Vgs2	-0.97V
6	Vdd1	+14V

- NOTES:**
- RECOMMENDED BIAS CURRENTS ARE: $I_{dsq1}=0.25A$, $I_{dsq2}=1.05A$, FOR THE FIRST STAGE, AND SECOND STAGE CURRENTS RESPECTIVELY.
 - GATE $V_{gs1,2}$ BIAS OF -0.97V ARE FOR REFERENCE ONLY. $V_{gs1,2}$ COULD BE ADJUSTED TO VARY THE CURRENTS GOING THRU THE MODULE.
 - DO NOT APPLY V_{dd1} & V_{dd2} WITHOUT PROPER NEGATIVE VOLTAGES.


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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

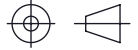
CABLE LENGTH TOLERANCES:
 ≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION

7.9 WATT PSAT, 1.5GHz TO 3.5GHz, HIGH POWER GaAs AMPLIFIER, SMA, 19.5 dB GAIN, 45 dBm IP3, 10 dB NF

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DMAY	FMAM5005	B