

MEC 7003S

200 W Pulse SSPA

2.7 GHz – 3.5 GHz

- 20% Maximum Duty
- 200 W_{pk} Minimum Power
- 2.7 to 3.5 GHz
- Output Power Flatness 0.5 dB
- 80 W Typ. Prime Power @10%
- -40 dBm/MHz Typ. Noise Power Density
- 25 dB Typical Rated Gain
- 9" L x 3.25" W x 1.5" H (22 x 8 x 6 cm)
- Weight 3 lbs. Max.
- -40° to 85° C
- Rack Mount Available



RF Performance

Freq (GHz)	Typ. Sat. Power Output (W)	Min. Spec. Power Output (W)	Typ. Gain @ Spec. Power (dB)
2.7	230	200	25
2.8	230	200	25
2.9	230	200	25
3.0	230	200	25
3.1	220	200	25
3.2	220	200	25
3.3	210	200	25
3.4	210	200	25
3.5	210	200	25

Typical power output is shown to illustrate capability.

Power Supply Requirements

Voltage Min.	Voltage Max.	Current Max.
31Vdc	33Vdc	3.0 A

Connectors

DC	Monitor	RFin	RF out
Screw Terminal	9 pin Dsub	SMA	SMA

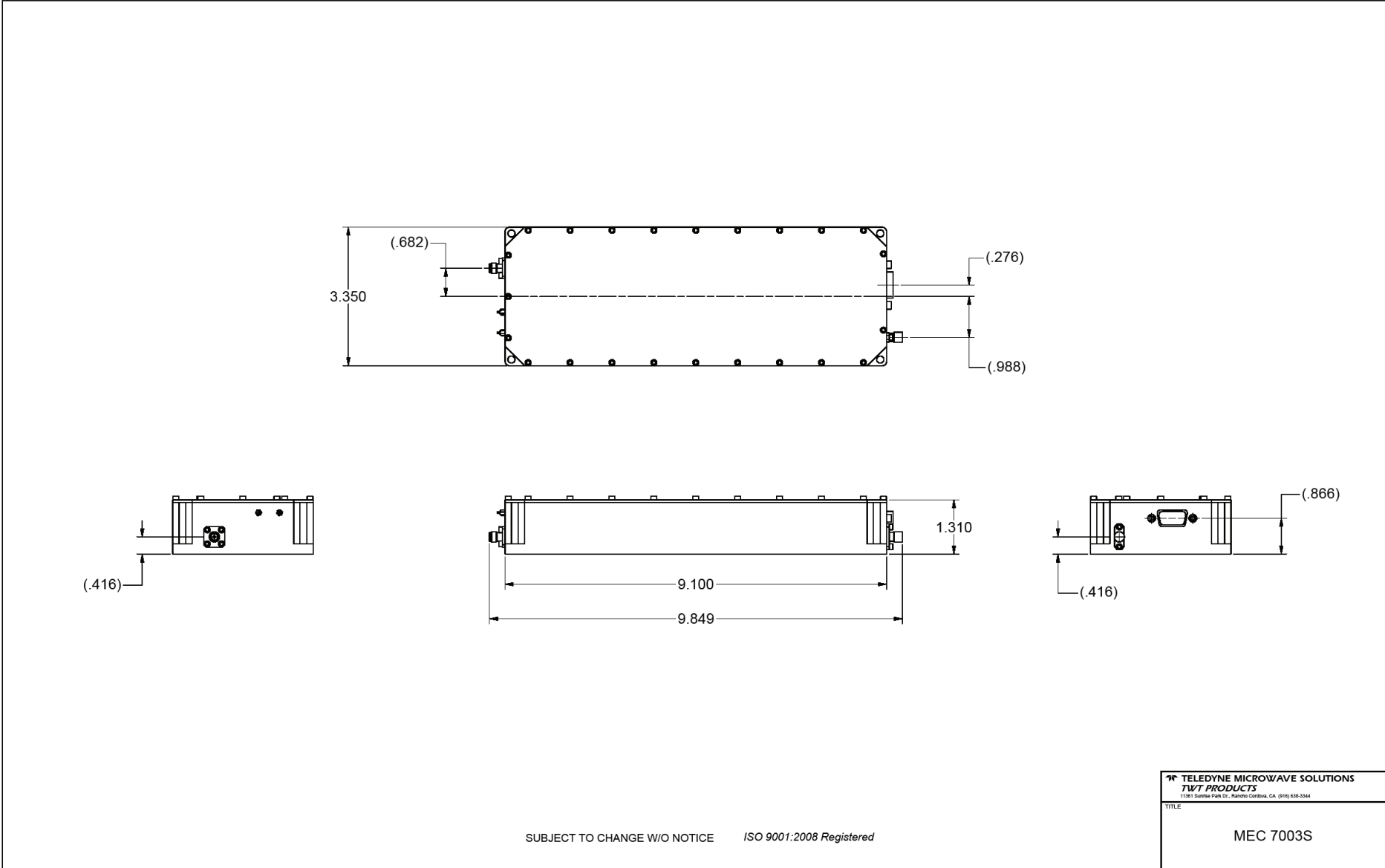
Monitoring Options

P_{out}, I_{avg}, Duty Cycle, Gain, Temperature

Performance

	Typical	Spec
Input VSWR:.....	1.4:1	2.0:1
Max. Duty	20%	20%
Max. Pulsewidth	300 μs	100 μs
Noise Power Density (dBm/MHz)	-40	-30
Prime Power	80 W	100W

This model number is subject to the jurisdiction of the U.S. Department of Commerce.



SUBJECT TO CHANGE W/O NOTICE ISO 9001:2008 Registered

TELEDYNE MICROWAVE SOLUTIONS TWT PRODUCTS <small>11361 Sunrise Park Dr., Rancho Cordova, CA 95742-3344</small>
TITLE
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