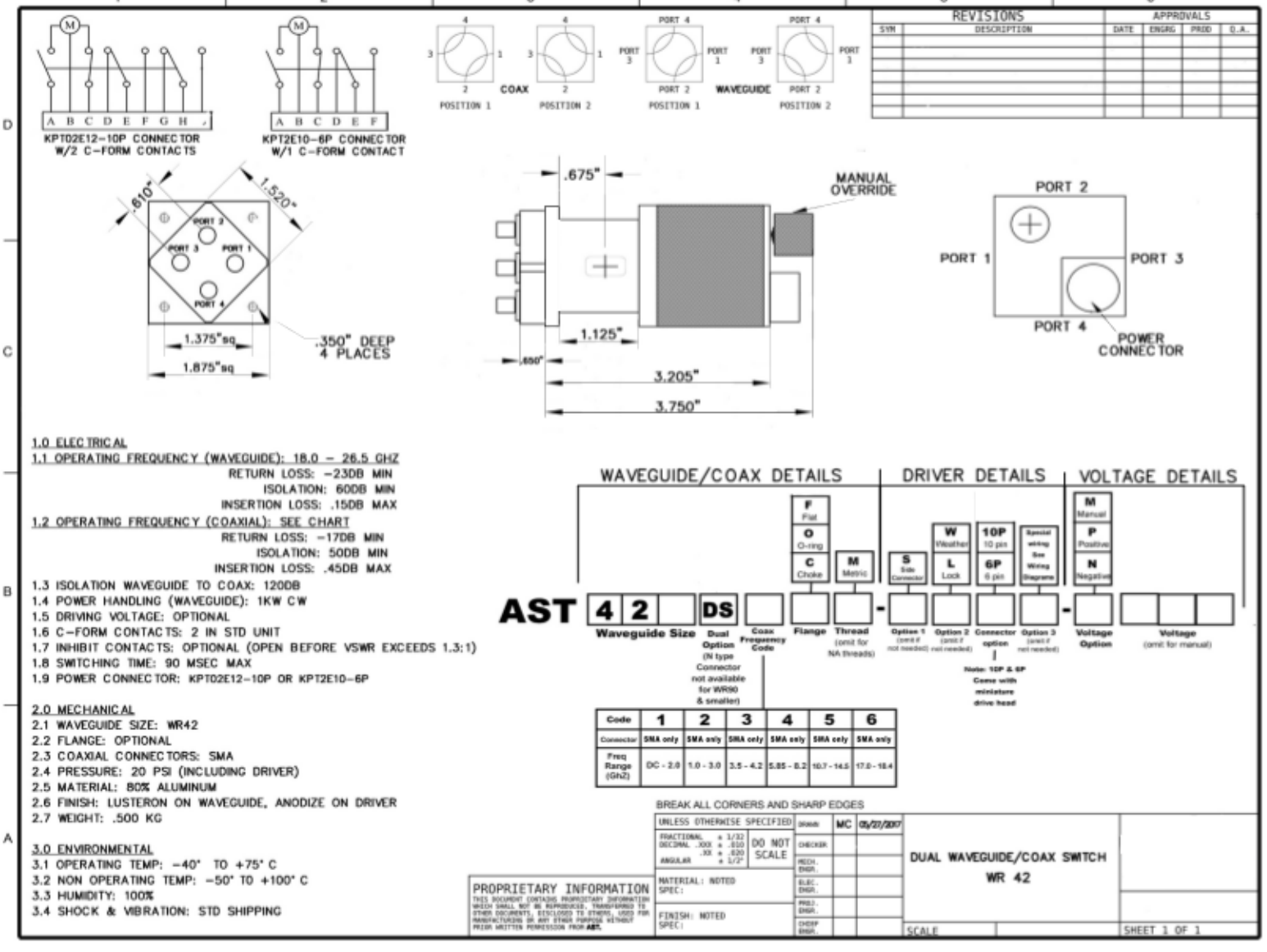

1.0 ELECTRICAL

1.1 OPERATING FREQUENCY (WAVEGUIDE): 18.0 – 26.5 GHZ
RETURN LOSS: –23DB MIN
ISOLATION: 60DB MIN
INSERTION LOSS: .15DB MAX

1.2 OPERATING FREQUENCY (COAXIAL): SEE CHART
RETURN LOSS: –17DB MIN
ISOLATION: 50DB MIN
INSERTION LOSS: .45DB MAX

1.3 ISOLATION WAVEGUIDE TO COAX: 120DB
1.4 POWER HANDLING (WAVEGUIDE): 1KW CW
1.5 DRIVING VOLTAGE: OPTIONAL
1.6 C–FORM CONTACTS: 2 IN STD UNIT
1.7 INHIBIT CONTACTS: OPTIONAL (OPEN BEFORE VSWR EXCEEDS 1.3:1)
1.8 SWITCHING TIME: 90 MSEC MAX
1.9 POWER CONNECTOR: KPT02E12–10P OR KPT2E10–6P

2.0 MECHANICAL
2.1 WAVEGUIDE SIZE: WR42
2.2 FLANGE: OPTIONAL
2.3 COAXIAL CONNECTORS: SMA
2.4 PRESSURE: 20 PSI (INCLUDING DRIVER)
2.5 MATERIAL: 80% ALUMINUM
2.6 FINISH: LUSTERON ON WAVEGUIDE, ANODIZE ON DRIVER
2.7 WEIGHT: .500 KG

3.0 ENVIRONMENTAL
3.1 OPERATING TEMP: –40° TO +75° C
3.2 NON OPERATING TEMP: –50° TO +100° C
3.3 HUMIDITY: 100%
3.4 SHOCK & VIBRATION: STD SHIPPING

Code	1	2	3	4	5	6
Connector	SMA only	SMA only	SMA only	SMA only	SMA only	SMA only
Freq Range (GHZ)	DC - 2.0	1.0 - 3.0	3.5 - 4.2	5.85 - 8.2	10.7 - 14.5	17.0 - 18.4

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