

# 5KW MF NAVTEX TRANSMITTER

SOLID STATE



Totally Solid State Design  
[MOS-FET Power Amplifier]

490 KHz and 518 KHz,  
500KHz (for NAVDAT)

Direct Digital Synthesized  
EXCITER

Built-in Test Equipment  
[BITE]

[Model Number : MFT-5KS]

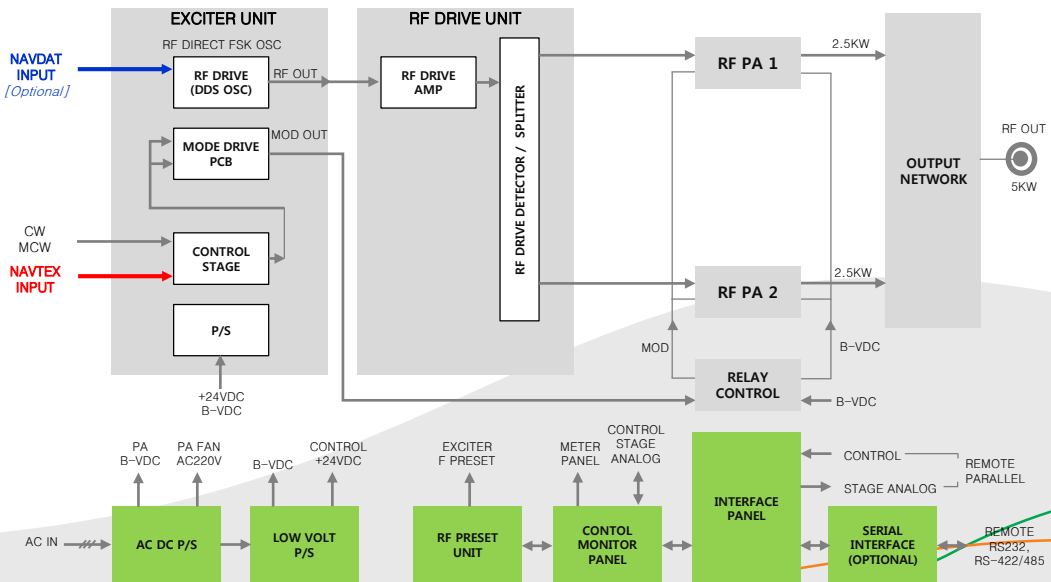


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# SPECIFICATIONS

ITEMS	SPECIFICATIONS
RF OUTPUT POWER	High power : 5000watt, Low "1" power : 2500watt, Low "2" power : 1250watt (minimum power : 250watt by adjustable)
SETUP FREQUENCY	490KHz / 518KHz, 500KHz (for NAVDAT)
FREQUENCY RESOLUTION	100Hz Steps for Synthesized
FREQUENCY CHANNELS	Two(2) Channel
CHANNEL CHANGE TIME	less than 0.5 second
FREQUENCY STABILITY	better than $\pm 1 \times 10^{-6}$
OUTPUT IMPEDANCE	50ohm
VSWR	less than 3:1 at maximum power
EMISSION	FSK
SPURIOUS EMISSION	Better than -70dB or relative to PEP
NAVTEX MESSAGE	Tone signal (1700Hz $\pm$ 85Hz) Or Data code ("0", "1")
COOLING SYSTEM	Air Cooling
TEMPERATURE RANGE	0°C to +50°C
HUMIDITY	less than 95% at +40°C
POWER INPUT	190V-500V.ac, 3 $\phi$ 4wires, 50/60Hz
OVERALL EFFICIENCY	Batter than 70%
POWER CONSUMPTION	less than 7.3KW
DIMENSIONS	600(W) $\times$ 1000(D) $\times$ 1740(H)

## MFT-5KS BLOCK DIAGRAM



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