

**MD-1024()/G**  
**High Speed Cable Driver Modem**

**NSN:** 5820-01-145-4902

**Reference:** TM 11-5805-700-24P

**General Information**

The MD-1024()/G is a member of the DGM family. It is used in nodal radio facilities to provide repeat cable transmissions. The high speed cable driver modem (HSCDM) accepts input master group rates of 4,096 and 4,608 kb/s; 9.36 and 18.72 rob/s and converts them to conditioned diphas signals at fixed output rates of 19.2 rob/s. It also provides power for the high speed pulse restorer (HSPR) in a repeater cable system up to 8 km (5 mi). The HSCDM is used in conjunction with HSPR, MGM, TGM, COU, TED, SRWBR, and CNCE.

**Technical Characteristics**

Number of Groups (or Master group) .....	1
Cable Side Interface:	
Modulation .....	Conditioned diphas
Cable .....	CX-11230 or CX-4245/G coax
Maximum Distance .....	8 km (.5 mi) without restorers, 8 km (5.0 mi) with restorers
Orderwire Transmission .....	1.6 km (1.0 mi)
Input Power Voltage .....	115 V AC $\pm$ 10%, 47 to 63 Hz
Power Consumption .....	110 W
Size .....	21.6 cm high by 30.5 cm deep by 43.8 cm wide (8.5 in by 12 in by 17.25 in)

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