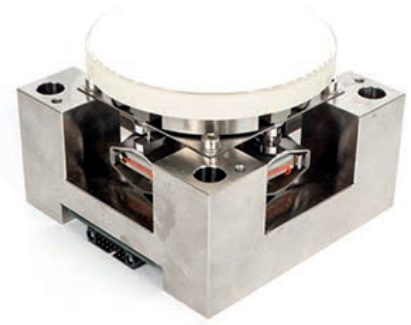


## DESCRIPTION

FSM for 80 mm diameter mirror.

## APPLICATION

High power laser, atmospheric disturbance compensation.



## ENVIRONMENTAL CONDITIONS

- CTEC commits on mirror flatness in operations
- Operation temperature: -10/+50°C
- Storage temperature: -20/+70°C
- Vibrations: random 4 Grms up to 500 Hz
- Shocks: 20 G / 11 ms half sine

DTT40SM-SG

PARAMETER	UNIT	DTT40SM-SG
Angular stroke Rx & Ry +/-	mrad	1
Dimensions	mm	110×110×63
Total mass	g	1600
Mirror mass	g	100
Mirror dimensions	mm	ø80×8
Loaded resonance frequency	Hz	1100
Settling time within 5%	ms	2.6
Accuracy	μrad	<1
Linearity	%	<0.25
Rising time 90%	μs	780
Capacitance (per axis)	μF	3
INVAR components to reduce the mechanism CTE and mismatch with the optical component		