

# Sinusoidal Grating [Transmission]

## Digital Twin Specification

<b>Twin Code:</b>	CF-TGSI01
<b>Twin Name:</b>	Sinusoidal Grating [Transmission]
<b>Category:</b>	Component
<b>Type:</b>	Function-Based
<b>Version:</b>	1.0
<b>Package:</b>	Platform
<b>Last Updated:</b>	2026-01-20

## Description

Models a sinusoidal profile transmission grating through its complex transmission function.

**⚠ Note:** This specification sheet is under active development. Detailed technical descriptions, model parameters, and usage examples will be added over the coming months.

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<b>Keywords:</b>	sinusoidal grating, transmission, profile, harmonic, complex transmission
<b>Related Twins:</b>	CF-TGRC01, CF-TGSW01, CF-TGTR01, CS-GRRO01, CF-GREF01