

Power Divider, 2-way, 18-26.5GHz, SMA Female

WM2PD-18-26.5-S



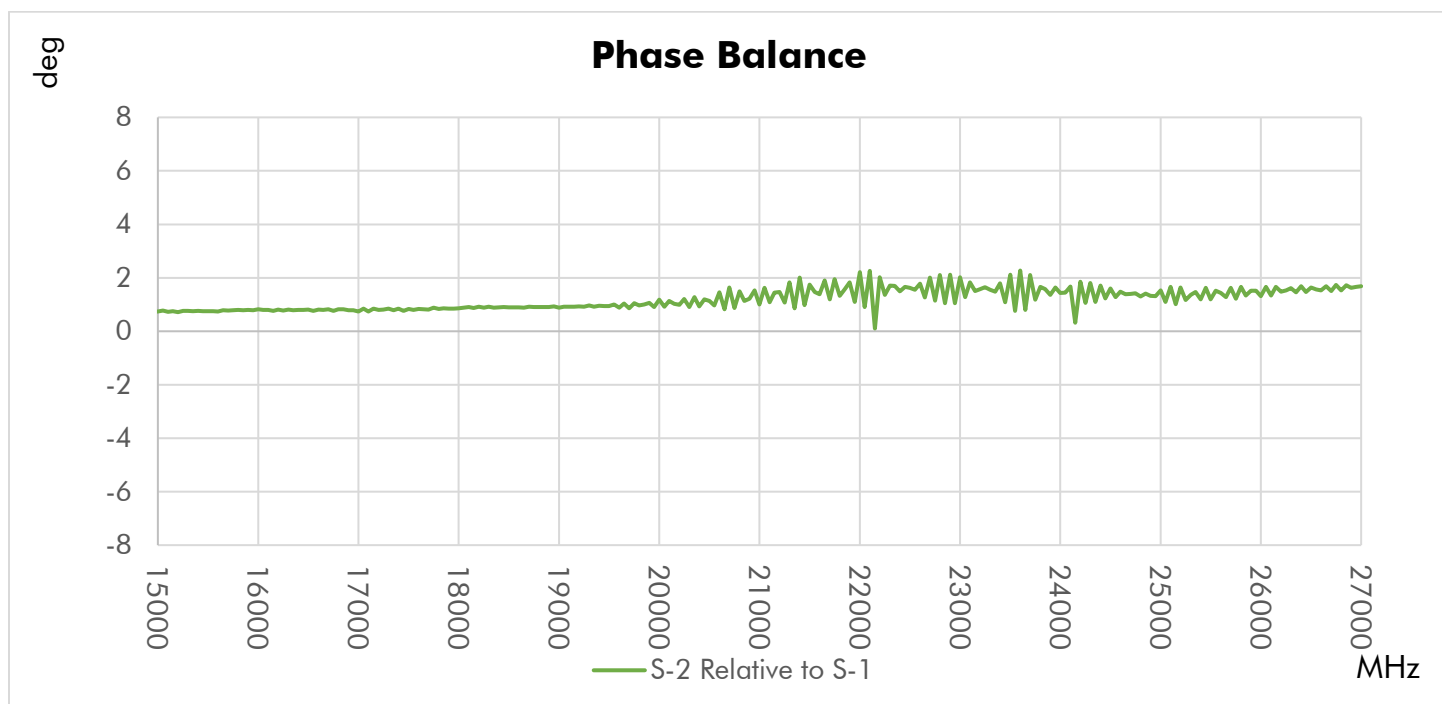
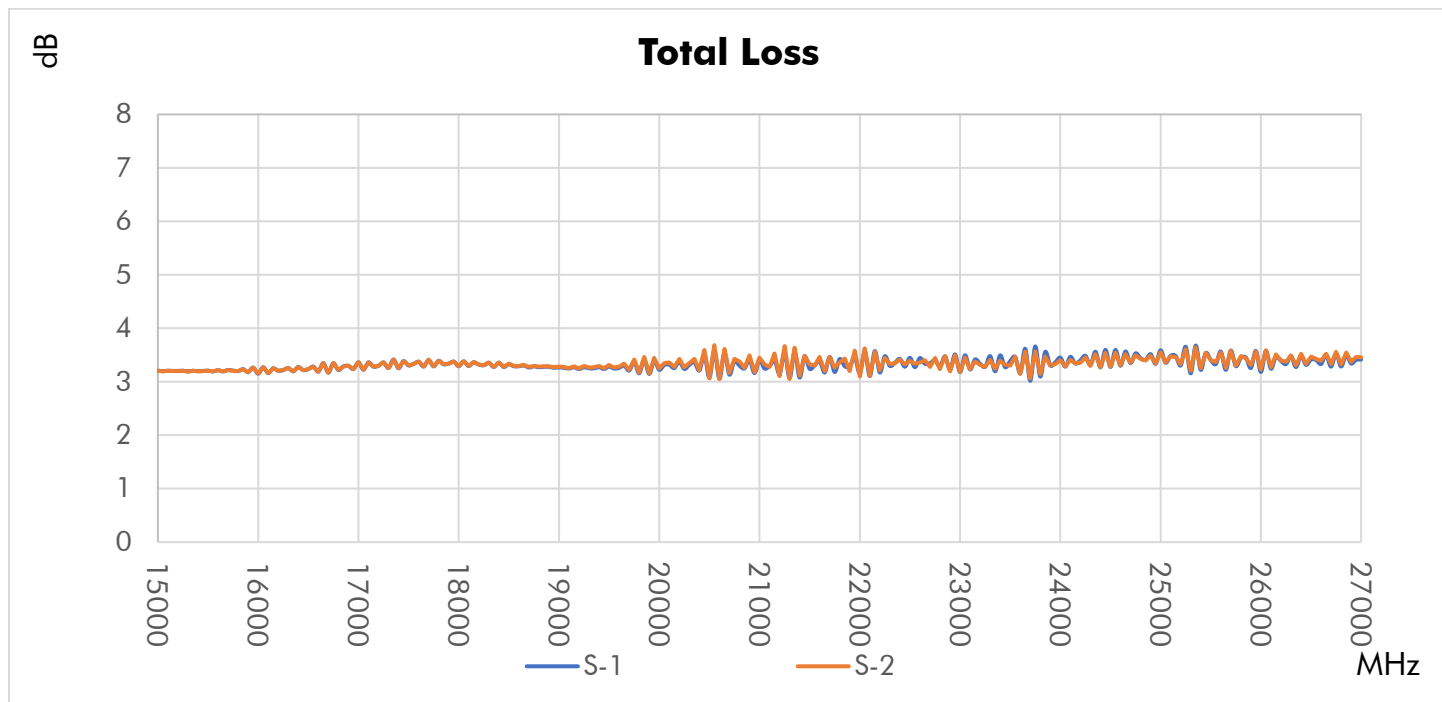
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	18000		26500	MHz
Impedance		50		Ω
Return Loss (Port S)	15.0	17.3		dB, min.
Return Loss (Port 1-2)	15.0	17.1		dB, min.
Insertion Loss above 3.01 dB		0.75	1.10	dB, max.
Isolation	18.0	21.5		dB, min.
Amplitude Unbalance ($\pm$) ¹		0.17	0.40	dB, max.
Phase Unbalance ($\pm$) ¹		2.4	3.0	Degree, max.
Input Power (CW) ²		10		W, max.
Combining Power (CW) ²		0.02		W/port, max.
Internal Dissipation		0.2		W, max.
DC Current		0.235		A/port, max.

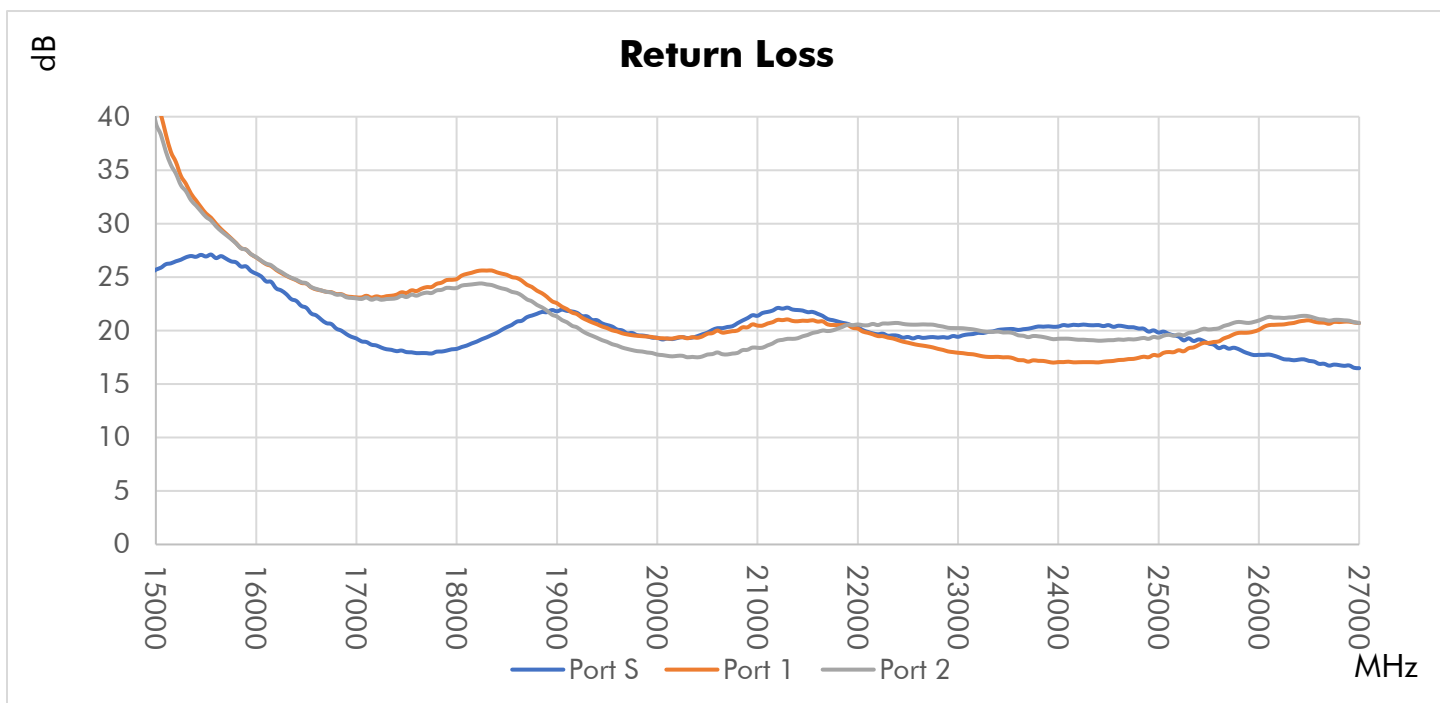
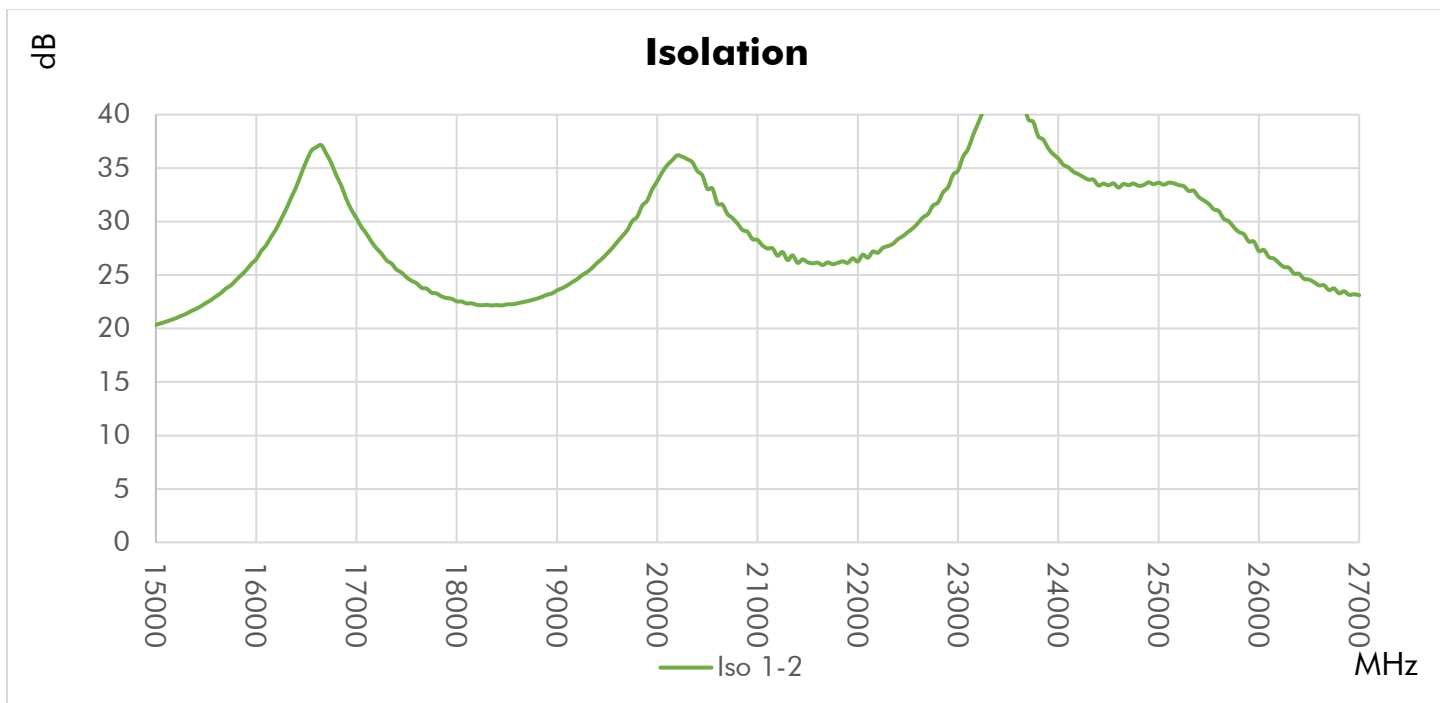
Connector Interface	SMA Female
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	27.5 g (0.97 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

RoHS Status ⁴	RoHS3 Compliant
REACH Status ⁴	REACH Unaffected
Enclosure Material	Aluminum
Connectors Material	Stainless Steel
Contacts Material	Beryllium Copper, Gold Plated
Insulators Material	Virgin PTFE
Finish	Green Paint

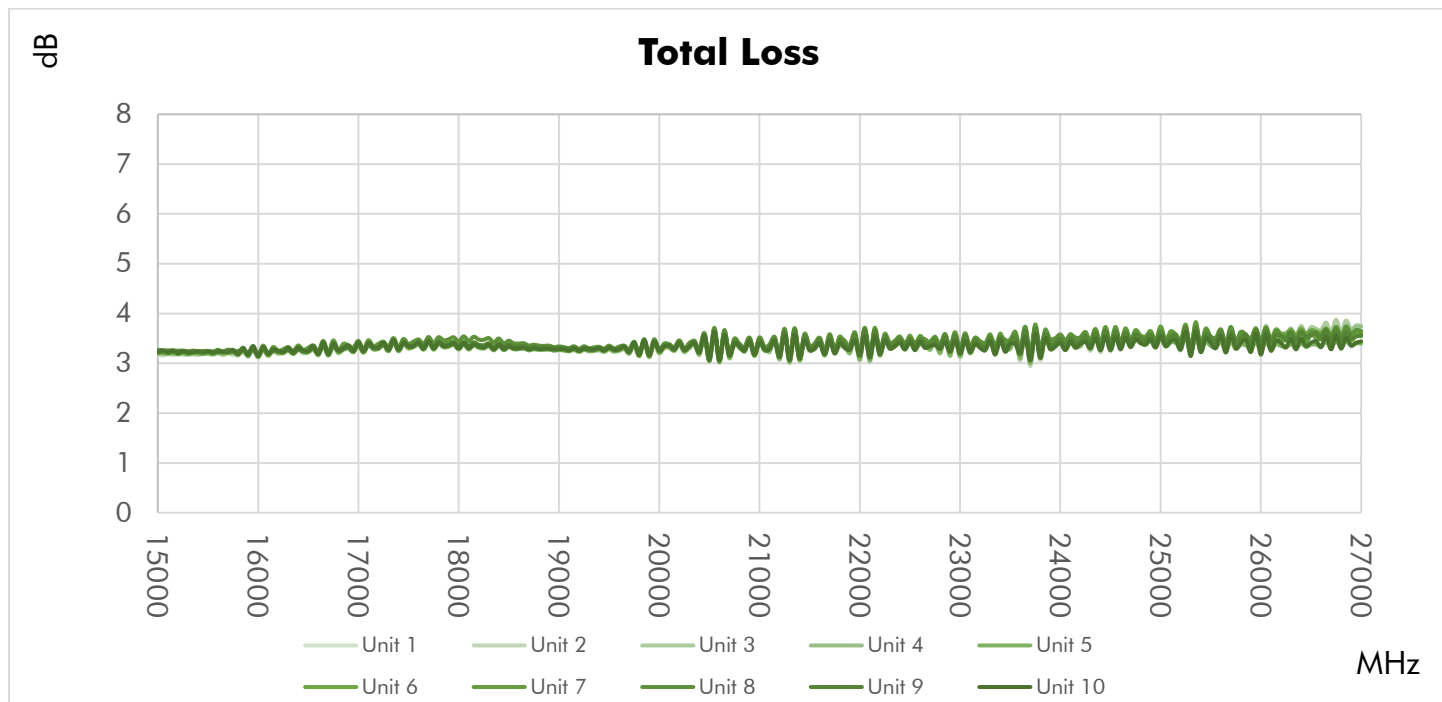
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications are tested at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C

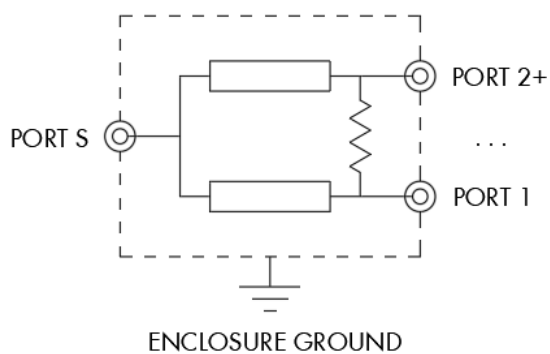




Repeatability in Production



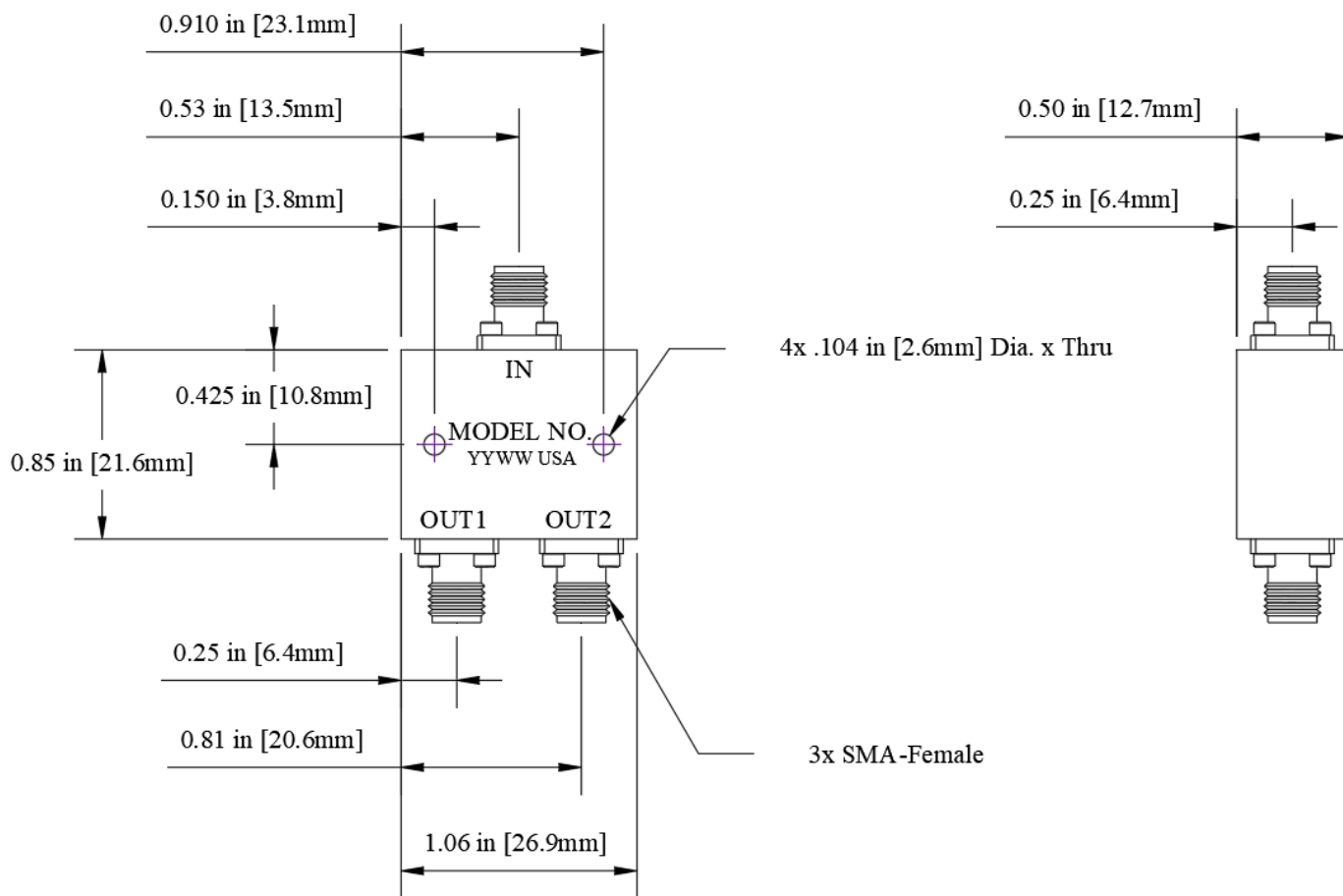
Simplified Electrical Schematic



Typical Performance Data

Frequency (MHz)	Return Loss (dB)			Total Loss (dB)		Isolation (dB)
	Port S	Port 1	Port 2	S-1	S-2	
1000	9.93	10.60	10.66	3.57	3.56	4.64
2000	10.11	11.47	11.47	3.44	3.44	7.29
3000	10.74	12.15	11.99	3.08	3.09	11.27
4000	11.70	12.72	12.72	3.24	3.25	17.35
5000	13.11	13.73	14.18	3.00	3.00	25.71
6000	15.26	15.98	16.57	3.41	3.41	30.61
7000	18.38	21.00	20.21	3.24	3.31	21.55
8000	24.38	25.29	23.14	3.21	3.22	18.02
9000	29.32	18.74	19.74	3.18	3.14	17.19
10000	24.11	17.01	17.82	3.16	3.12	16.65
11000	17.85	17.31	16.87	3.07	3.06	15.72
12000	15.89	16.88	16.30	3.44	3.49	16.52
13000	17.10	18.11	18.17	3.51	3.52	18.30
14000	20.08	24.58	25.47	3.24	3.25	19.11
15000	25.70	41.56	39.40	3.21	3.20	20.35
16000	25.32	26.84	26.88	3.15	3.15	26.47
17000	19.26	23.11	23.02	3.36	3.36	30.34
18000	18.29	24.82	23.98	3.29	3.29	22.55
19000	21.80	22.56	21.32	3.27	3.28	23.57
20000	19.33	19.30	17.76	3.22	3.25	33.78
21000	21.38	20.47	18.39	3.41	3.45	28.28
22000	20.30	20.18	20.57	3.15	3.10	26.27
23000	19.42	17.93	20.23	3.18	3.19	34.79
24000	20.38	17.05	19.24	3.45	3.41	35.90
25000	19.81	17.66	19.34	3.59	3.55	33.64
26000	17.73	20.06	20.94	3.18	3.23	27.25
27000	16.48	20.70	20.71	3.42	3.46	23.13

Outline Dimensions



Outline drawing: OL-02-1826

Dimensions are in inches, [mm] shown for convenience.

Tolerances on 2-pl decimals: ± 0.03 . 3-pl decimals: ± 0.015 .

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