

Dual output pentode intended for push-pull automobile-receiver audio stages, integrating two matched power sections for compact low-frequency output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0018 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4.5 W
Dual output pentode intended for push-pull automobile-receiver output stages	

SECTION2 Pentode	
TRANSCONDUCTANCE	0.0018 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4.5 W
Second identical physical output pentode section; added to align rows with SectionCount.	

ELL1 is a dual output pentode intended for push-pull automobile-receiver output stages. The supplied Philips datasheet was read for heater data, limiting ratings, characteristic constants, operating

conditions, capacitances, and application-specific output data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS E-Z

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate dissipation per pentode	4.5 W	OneTube
Push-pull output power	5.4 W	PushPull
Distortion at rated push-pull output	3.7 %	PushPull

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance per pentode	1800 μ S	OneTube